

Listing of Claims

1) (Canceled)

25) (New) A method for the fabrication of a carbon foam, carbon fiber, carbon ceramic composite or C/C composite fabricated from a petroleum or coal pitch, polyacrylonitrile or rayon by a process comprising:

A) forming a carbon precursor;

B) providing to said carbon precursor a lanthanum series oxide oxygen spillover catalyst; and

C) forming said carbon foam, carbon fiber, carbon ceramic composite or C/C composite.

2) (Currently amended) The method of claim [[1]] 25 wherein said oxygen spillover catalyst is provided to said carbon precursor by blending of said lanthanum series oxide oxygen spillover catalyst with said petroleum or coal pitch, polyacrylonitrile or rayon starting material prior to formation of said carbon precursor.

3) (Currently amended) The method of claim [[1]] 25 including the further steps of stabilizing and carbonizing said carbon precursor and wherein said lanthanum series oxide oxygen spillover catalyst is provided to said carbon precursor by exposure of said carbon precursor to said

lanthanum series oxide oxygen spillover catalyst during stabilization or carbonization.

4) (Currently amended) The method of claim 2 wherein said lanthanum series oxide oxygen spillover catalyst is blended with said petroleum or coal pitch, polyacrylonitrile or rayon starting material at a concentration of from about 1 to about 50 percent by weight of said petroleum or coal pitch, polyacrylonitrile or rayon starting material.

5) (Currently amended) The method of claim 4 wherein said lanthanum series oxygen spillover catalyst is blended with said petroleum or coal pitch, polyacrylonitrile or rayon starting material at a concentration of from about 5 to about 30 percent by weight of said petroleum or coal pitch, polyacrylonitrile or rayon starting material.

6-10 (Canceled)

11) (Currently amended) The method of claim 3 wherein said exposure of said carbon precursor to said lanthanum series oxygen spillover catalyst during stabilization or carbonization is accomplished by spraying said carbon precursor with said lanthanum series oxygen spillover catalyst prior to stabilization or carbonization.

Docket 1511 (Wright)

12-22 (Withdrawn)

23-24 (Canceled)